

Patent claims

1. Therapeutic agent for the treatment of septicemia containing the protein binding lipopolysaccharide (LBP), its variants, mutants or hybrid proteins

2. Agent according to claim 1 containing human LBP

3. Agent according to claim 1 containing murine LBP

4. Agent according to claim 1 containing rabbit or rat LBP

5. Agent according to claim 1 containing the hybrid proteins LBP with the LPS binding site of the bactericidal/permeability increasing protein (BPI) or LBP with the LPS binding site of the limulus anti-LPS factor (LALF)

6. Agent according to claim 1 containing point-mutated variants the functions of which are improved in the area of the LPS binding site (amino acids 91-101) by individual exchanges of amino acids

7. Method to produce the agent according to claims 1-6 wherein LBP is expressed in the baculovirus system and in CHO cells, first of all, as fusion protein and then purified by the participant in the fusion by means of separation methods known per se

8. Use of the agent according to claims 1-6a for the therapeutic treatment of septicemia caused by gram-negative bacteria.

9. Use of the agent according to claims 1-6a for the therapeutic treatment of septicemia caused by gram-positive bacteria.

10. Use of the agent according to claims 1-6a for the therapeutic treatment of SIRS caused by trauma and injury.

11. Agent according to claim 1 wherein the LBP gene is cloned in an adeno-viral vector behind a strong promoter, preferably the CMV promoter, and subsequently a gene transfer into the affected liver cells is carried out.]

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----- REVISION LIST -----

The bracketed numbers refer to the Page and Paragraph for the **start** of the paragraph in both the **old** and the **new** documents.

5		
	[1:2 1:2] Del Para	"Agent for treating ... Field of invention "
	[1:4 1:2] Add Para	"Therapeutic agent ... preparation and use"
	[1:4 1:3] Changed	"in the " to ". Fields of ... invention are "
10	[1:4 1:3] Changed	"and in medicine." to "and medicine."
	[1:6 1:4] Del Paras	"Background"
	[1:6 1:4] Changed	"the most feared clinical" to "the clinical"
	[1:6 1:4] Changed	"medicine." to "medicine feared most."
	[1:6 1:4] Changed	"hundreds of thousands of " to "a few 100,000 "
15	[1:6 1:4] Changed	"year in " to "year alone in the"
	[1:6 1:4] Changed	"countries alone." to "countries."
	[1:6 1:4] Changed	"found because " to "looked for as "
	[1:6 1:4] Changed	"slowly, and do not prevent" to "slowly, not preventing"
	[1:6 1:4] Changed	"toxins and partly" to "toxins, partly"
20	[1:6 1:4] Changed	"intensify " to "intensifying "
	[1:6 1:4] Changed	"evolution " to "picture "
	[1:6 1:4] Changed	"approaches, as blocking" to "approaches, ... hand, blocking"
	[1:7 1:5] Changed	"Summary of the " to "The "
25	[1:7 1:5] Changed	"invention" to "invention "
	[1:8 1:5] Changed	"It is an object ... invention " to "is based on the task "
	[1:8 1:6] Changed	"In accordance ... accomplished " to "This task was solved "
	[1:8 1:6] Changed	", its mutants, ... purpose. " to "as basic component."

	[2:1 1:7] Del Paras	"Brief description ... Detailed description"
	[2:12 1:7] Add Para	"The characteristic ... from human LBP."
	[2:13 2:2] Changed	"figures, " to "examples "
5	[2:13 2:2] Changed	"the effects ... and can -if" to "the LPS effects and may -if"
	[2:13 2:2] Changed	"and very significantly ... lethality." to "and reduce ... significantly."
	[2:13 2:2] Changed	"and also before." to "and before."
	[2:13 2:2] Changed	"appears " to "may seem "
10	[2:13 2:2] Changed	"septicemia also in" to "septicemia in"
	[2:13 2:2] Changed	"patients." to "patients also."
	[2:13 2:2] Changed	"trauma, by translocation" to "trauma, via translocation"
	[2:13 2:2] Changed	". The " to ", the "
	[2:13 2:2] Changed	"LBP can also" to "LBP may also"
15	[2:14 2:3] Changed	"modified and which" to "modified which"
	[2:14 2:3] Changed	"septicemia, are" to "septicemia are"
	[2:14 2:3] Changed	"the present invention." to "the invention. "
	[2:15 2:4] Changed	"the present invention" to "the invention"
	[2:16 2:5] Changed	"can be suitably applied " to "is applicable "
20	[2:16 2:6] Changed	"gram-negative and" to "gram-negative bacteria"
	[2:16 2:7] Changed	"gram-negative ... of systemic" to " septicemia ... gram-positive bacteria"
	[2:17 3:1] Changed	"When no high ... addition of LBP." to " Hereinafter ... and figures."
25	[2:18 3:2] Add Para	"Obtaining LBP"
	[2:18 3:3] Changed	"In accordance ... LBP, the " to "The "
	[2:18 3:3] Changed	"to express " to ". Thus "
	[2:18 3:3] Changed	"protein." to "protein is expressed."
	[2:18 3:3] Changed	"mℓ " to "ml "

[2:18 3:3] **Changed** " " to " "

[2:18 3:3] **Changed** "remove the thrombine residue" to "remove thrombine rests"

[2:18 3:3] **Changed** "mg/mℓ." to "mg/ml."

5 [2:18 3:4] **Add Paras** "Legends to the ... is carried out."